JOB NO. 4474 DIXIE CARRIERS
BARGE: DC-361 12/94

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DESCRIPTION OF WORK PERFORMED (BY FOREMAN) **HERCULES** MARINE SERVICE CORP. WATER WASH FREEPORT, TEXAS EFRINANEST FROM FOREMAN'S DAILY TIME REPORT WALVE JOS NO. 4474 DATE 12-26-94 CLASS NO. DC - 361 BADGE NO. 179 C DUARTE 273 J L RIVERA 8 1/2 SAM PETTIT f G DE LA ROSA JGE OLIVAREZ 81% JIMMY JACKSON 2 RICHARD RODRIGUEZ TRING RODRIGUEZ OD LARRY BALLINGER **HER 04166** TOTAL HOURS CODED AND EXTENDED APPROVED



Strength through experience, equipment, know-how 11011 Richmond Ave., Sulte 500 Office (713) Houston, Texas 77042 Fax. (713)

Office (713) 789-7983 Fax. (713) 789-4063

	********	nousion, Texas 77042	Fax (713) 789-4063
	EQUIPMENT	HOURS USED	HOURLY RATE TOTAL PRICE
_		12/40	The state of the s
2	COMPRESSOR 6 HOUR	76778	44.00
اها	AIR HOVERS & Hour FORKLIFT		5.00 20.00
ı	TIG BOAT		80.00.
	STEAM RIG (BOILER)	5 WR	80.00
	VACUUM	RHA	19.00
Í	HAND HOSE	4 KR	10.00
•	HAUL OUT		1100.00 /DAY
	WHIDING MACHINES		15.00
	CHERRYPICKER		50.00
	CINNE		130.00
	FLATBED TRUCK		20,00
	<u> </u>		1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
	3" CAS PUMP		‡ 14.00 <b>‡</b>
,	2" SYRIP PUMP	4 112	12.00
	BUTTERWORTH		10.00
	4" ELECTRIC PUMP		15,00
	WORK BARGE		35.00
	CUITING RIGS		8.00
			¥
			· · · · · · · · · · · · · · · · · · ·

BARGE NAME: DC - 30

# MARINE SERVICES CORPORATION P. O. Drawer O • Freeport, Taxes 7754

TO:

P. O. Drawer O • Freeport, Texas 77541

INVOICE NO.

2751-94

DATE

Jan 5, 1995

Job No.

4474-1

Location

Freeport Yard

PLEASE REMIT PAYMENTS TO: 11011 RICHMOND

SUITE 500 HOUSTON, TX. 77042

Terms : Net 30

Dixie Carriers, Inc. 2102 Broadway Houston, Texas 77012

Services to the barge DC-361 as follows:

Hot Water Wash

Foreman 2 @ 36.00 Leadman 8 @ 33.50 1 @ 48.00 Journey 181 @ 31.00 Labor:

15 0 44.25 Stock Material: 71.25 + 14.25 (coveralls)

Equip:

Compressor 12 @ 44.00 Air Movers 36 @ 5.00 Forklift 1 @ 20.00 Steam Rig 5 @ 80.00 Vacuum 5 @ 18.00 Hand Hose 4 @ 10.00 2" Strip pump 4 @ 12.00

TOTAL AMOUNT DUE:

268.00 24.00 573.50 66.37 85.50 528.00 180.00 20.00 400.00 90.00 40.00 48.00

\$2,395.37

72.00

Arrived: 12/26 Completed: 12/26

Product: BTX to Ethyl Benzene

PHONE: (409) 233-6371

**HER 04168** 

#### HERCULES OFFSHORE CORPORATION MARINE OTVISION JOB COST WORKSHEET

105   #: 4474	· · · · · · · · · · · · · · · · ·	Invoice #:	v 201 1.555
(Date Started: Decemb (Job Type: CLEANING	D본리 설명 : 1995명	ûate Finished: Decembe	. L 73. 1992
Customer: DIXIE CARS	RIERS	Barge Name/#: 00-361	
Estimated Materials			0.00
Estimated Labor		TOTAL Labor :	508,30
Estimated Waste Wate		TOTAL Waste Water:	
Total Estimated Cost			508.30
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#### LABOR HOURS

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272		,: J								
41	: PETTIT	,: S								
40	: OLIVAREZ	,: J								
25		,: J								
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# JOB WORKSCOPE/BREAKDOWN

JOB NO:	4474		•
		CUSTOMER: Jugue	DARGE: DC-36/
FOREMAN:	s/1 <i>⊋</i>	0.00.00	
•	0/T		\$ <u>72.00</u>
LEADMAN:	S/T 🔗	0 51.75	
	0/1 /2		268.00
JOURNEY:	S/T /8/	e 48.00 >	24.00
	0/T 1/2	2 @ 31.00	_ 5 73.SO
	170	0 44.25 \rightarrow\`	66.37
DISPOSAL:			
•		gal 0 .35	0
MATERIAL:		<b>23.</b> 00 m² 0	
STOCK MATERIAL	: 2/.3	byra 50.8	<i>Y</i>
	cour		8550
EQUIP:		aco .	
COMP	RESSOR	12 e 44.00	/ <b>\ 0</b>
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VACU	м	5 e 18.00	400.00
HAND	HOSE	<u>4</u> 9 10.00	90.00
Merdi	nc machine	e 15.00 C	40.00
CHERR	YPICKER	e 50.00	
CRANE	-		
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2** 517	CENTRE SOR	9 12.00	11.6 00
·	words _	0 10.00	48.00
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	,	• • • • • • • • • • • • • • • • • • • •	
ARRIVED:	26 COMPLE	TED: DEPART	D:
Tironum	f = 0		
PRODUCT:		LOAD:	
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HER 04171

JOB NO. 4474 ETA 7.00 AM 12 26 - 94
CUSTOMER DATE/TIME STARTED 12-26 - 74
DATE/TIME ARRIVAL 12-26-90  CUSTOMER  PRODUCT B + X  DATE/TIME COMPLETED 12-26-90  DATE/TIME COMPLETED 12-26-90  DATE/TIME COMPLETED 12-26-90
DISPOSAL AMOUNT AMOUNT STRIPPED 300
CLEANING INSTRUCTION BY: MIKE GREEN HOT WATER WASBY: MIKE GREEN
COMPLETION SCHEDULE BY: MIKE GREEN
OVERTIME AUTHORIZED BY: MINE CREEN
BARGE INSPECTED BY: Nacque Cont DATE/TIME: J: 50 Pm 12-164
BARGE RELEASED TO: WESTERN TOWNING DATE/TIME: MIOOPM 12-76-4
DEEPWELL OPENED: YES NO CLOSED BY RIVERA NEW GASKET YES NO
BELOW DECK CARGO PIPELINE: BLIND OPEN YES NO CLOSED BY NEW GASKET
DECK CHECK VALVE OPENED: YES NO CLOSED BY NEW GASKET YES NO YES NO
DECK HEADER BLINDS OPEN: YES NO CLOSED BY DIALTE NEW GASKET YES NO
DECK HEADER DRAIN PLUG OPEN: YES NO CLOSED BY
VAPOR RECOVERY HEADER OPENED: YES NO CLOSED BY DVAV TO NEW GASKET
RUST SCALE: YES NO WASHED OUT BUCKETED OUT
NUMBER OF CARGO TANKS 3
10MII I 05 19200 URIVES 600
THE PRESSURE TEST DATE: 4-94
DRIP PANS STRIPPED: YES V NO
WEATHER: TEMP GO RAIN FOG HUMIDITY OVERCAST CLOUDY CLEAR
PIPELINE WASHED: 405 PIPELINE BLOWN 405 PIPELINE SUMPS INSPECTED DUANTE
BOW RAKE CHECKED: YES NO STERN RAKE: YES NO
VOIDS: YES NO SAFETY EQUIPMENT USED:
, 大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大
WORK SCOPE

HOT WATER WASH



Strength through experience, equipment, know-how
P.O. Drawer O
Freeport, Texas 77541

Strength through experience, equipment, know-how
Office: (409) 233-6371
Fax: (409) 233-6375

#### FINAL CHECK LIST

DATE: 12-26-94	
BARGE: /) @ 36/	
BLND NUMBER CHECKED 2 REPLACED GASKET	YESNO_Z
GATE VALVE NUMBER CHECKED AFTER REPLACED GASKET	YESNO_
PLUGS NUMBER CHECKED / REPLACED PLUG	YES NO L
CHECK VALVE NUMBER CHECKED / REPLACED GASKET	YES ZNO
DEEPWELL BLIND NUMBER CHECKED / REPLACED GASKET	YESNO_2
BELOW DECK CARGO PIPELINE BLIND NUMBER / REPLACED GA	sket yes <u>no</u>
BELOW DECK CARGO PIPELINE BLIND REMOVED YES NO	
DRIP PANS VALVES: CLOSED BY DUANTE	
DRIP PANS COVER: CLOSED BY Duarte	
COMTAINMENT AREA PLUG OR VALVES: CLOSED BY 100	
AIR TEST CARGO LINE - 40psi - USING SOAP	
SIGNATURE OF TESTER: Obelle Orate	
WITNESS: June C Jacker	•

\* CHECK VALVE GASKET WILL BE REPLACED

\* AIR TEST IS LAST THING TO BE DONE BEFORE RELEASING BARGE.

# HAZARDS COMMUNICATION STANDARD

## OSEA 1910.1200

### EMPLOYEE HAZARDOUS MATERIALS TRAINING PROCESM

10.07	MES TRYTHING PROCESN	
Date 12-26-94	Supervisor_	
Plant Herovies	Client Safety	
DC 36/		
The following listed materials are considerable working in this area:	red to be hezardous to the	emaploye∈
The employees assigned to work in this area		<del></del>
it is located, and procedures to be followe I have received the training listed above a form.	nd will so designate by sign	exposure
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	н	ER 0417

#### SAFETY DATAS

Midland, MI 48674 Emergency Phone: 517 w Chemical U.S.A.\*

oduct Code: 00369

oduct Name: TOLUENE/BENZENE MIXTURE

fective Date: 11/26/90 Date Printed: 01/21/91

INGREDIENTS: (% w/w, unless otherwise noted)

Benzene

CAS# 000071-43-2

30-60%

Toluene

CAS# 000108-88-3

30-50%

Non-Aromatics

15-40%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

#### PHYSICAL DATA:

194 to 210 deg F (90 to 99 deg C) .\* BOILING POINT:

48 to 63 MMHG at 20 deg C. VAP. PRESS:

VAP. DENSITY (Air = 1): 2.8 to 3.0. SOL. IN WATER: < 0.1% @ 20 deg C.

SP. GRAVITY: 0.87 to 0.88.

FREEZING POINT: -18 to -71 deg F, (-28 to -57 deg C.)

Clear, amber liquid. APPEARANCE:

ODOR:

Sweet. pungent.

#### FIRE AND EXPLOSION HAZARD DATA:

21 to 30 deg F, (-6 to -1 deg C). FLASH POINT:

METHOD USED: Tag Closed Cup

FLAMMABLE LIMITS >

LFL: 1.2% UFL: 7.1%

EXTINGUISHING MEDIA: Foam, alcohol-resistant foam, carbon dioxide, dry chemical. Water may spread a fire; use it only to cool containers.

FIRE AND EXPLOSION HAZARDS: May flash at room temperature if ignited. Use water to disperse vapor if no ignition has occurred. Keep vapors away from possible ignition sources. Vapors are heavier than air and may travel some distance to an ignition source.

(Continued on Page 2)

(R) Indicates a Trademark of The Dow Chemical Company

#### MATERIAL SAFETY DATA SHEET

Dow Chemical U.S.A.\* Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 00369 / Page: 2

Product Name: TOLUENE/BENZENE MIXTURE

Effective Date: 11/26/90 Date Printed: 01/21/91 MSD: 003133

#### 3. FIRE AND EXPLOSION HAZARD DATA: (CONTINUED)

FIRE-FIGHTING EQUIPMENT: Firemen must be equipped with positive pressure, self-contained breathing apparatus.

#### 4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Material can be ignited under almost all normal temperature conditions. Keep away from flames and spark-producing equipment.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Avoid oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Methane, ethane, carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

#### 5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS: Remove all sources of ignition.

Keep people away. Keep out of drains and sewers. Only
properly protected personnel should be permitted in the area.

Contact authorities in the event of spills.

DISPOSAL METHOD: Incinerate in accordance with all local, state, and federal regulations, RCRA hazardous.

#### 6. HEALTH HAZARD DATA:

EYE: May cause moderate eye irritation. May cause moderate corneal injury. Vapors may irritate eyes. Vapors may cause lacrimation (tears).

SKIN CONTACT: Short, single exposure may cause skin irritation. Prolonged or repeated exposure may cause skin burns. Repeated contact may cause drying or flaking of skin.

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. The dermal LD50 has not been determined.

(Continued on Page 3)

(R) Indicates a Trademark of The Dow Chemical Company

ATERIAL SAFETY DATA SHEET

low Chemical U.S.A.\* Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 00369 Page: 4

Product Name: TOLUENE/BENZENE MIXTURE

Effective Date: 11/26/90 Date Printed: 01/21/91 MSD: 003133

#### 5. HEALTH HAZARD DATA: (CONTINUED) .

CFR Part 1910.1200). Benzene has been shown to cause cancer in laboratory animals and humans.

TERATOLOGY (BIRTH DEFECTS): Birth defects are unlikely.

Exposures having no effect on the mother should have no effect on the fetus. Benzene did not cause birth defects in animals; other effects were seen in the fetus only at doses which caused toxic effects to the mother. Toluene has been toxic to the fetus in laboratory animal tests. Toluene has caused birth defects in laboratory animals dosed orally; has caused no birth defects in laboratory animals following inhalation or dermal exposure, the most likely modes of exposure in the workplace.

REPRODUCTIVE EFFECTS: Exposure to benzene is not likely to cause adverse effects in reproduction.

MUTAGENICITY EFFECTS: Results of in vitro ('test tube')
mutagenicity test have been positive with benzene. Benzene has
been shown to have mutagenic activity in animals. The majority
and the most reliable of the many mutagenicity studies done on
toluene both in vitro ('test tube') and in animals indicate it is
not a mutagen.

#### 7. FIRST AID:

EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN: Wash off in flowing water or shower.

INGESTION: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

NOTE TO PHYSICIAN: The decision of whether to induce vomiting or not should be made by an attending physician. If lavage

(Continued on Page 5)
(R) Indicates a Trademark of The Dow Chemical Company

ATERIAL SAFETY DATA SHEET

ow Chemical U.S.A.\* Midland, MI 48674 Emergency Phone: 517-636-4400

roduct Code: 00369 Page: 3

roduct Name: TOLUENE/BENZENE MIXTURE

ffective Date: 11/26/90 Date Printed: 01/21/91 MSD: 003133

HEALTH HAZARD DATA: (CONTINUED)

INGESTION: Single dose oral toxicity is believed to be low. The oral LD50 for rats is believed to be >2000 mg/kg. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of larger amounts could cause serious injury, even death. If aspirated (liquid enters the lung), may cause lung damage or even death due to chemical pneumonia, a condition caused by petroleum and petroleum-like solvents.

INHALATION: A single brief (minutes) inhalation exposure to easily attainable concentrations may cause adverse effects. Vapors may irritate eyes. A single prolonged (hours) excessive inhalation exposure may cause serious adverse effects, even death. Excessive exposure may increase sensitivity to epinephrine and increase myocardial irritability (irregular heartbeats). Excessive exposure may cause irritation to upper respiratory tract and lungs. Excessive exposure may cause central nervous system depression (anesthetic or narcotic effects). Signs and sysmptoms are drowsiness, dizziness, headache, vertigo, delerium, and loss of consciousness. Alcohol consumption and exertion may increase adverse effects due to toluene.

SYSTEMIC AND OTHER EFFECTS: See INHALATION for central nervous system effects. Excessive exposure may cause irritation to upper respiratory tract. Repeated excessive exposure to benzene may cause hemopoietic injury (damage to blood-forming organs). Decreased lymphocyte count is usually the first sign of the hemopoietic effect; pancytopenia (reduction of all blood cells) has been reported from more extensive exposure. Intentional misuse by deliberately inhaling toluene may cause nervous system damage, liver, and kidney effects, hearing loss and death.

CANCER INFORMATION: Toluene did not cause cancer in long-term animal studies. Available data are inadequate to evaluate carcinogenicity of toluene. This product contains benzene, which is listed as a carcinogen for hazard communication purposes by IARC, NTP, and OSHA (OSHA Standard 29)

(Continued on Page 4)
(R) Indicates a Trademark of The Dow Chemical Company

<sup>\*</sup> An Operating Unit Of The Dow Chemical Company

-CREAL SAFETY DATA SHEET

Midland, MI 48674 Emergency Phone: 517-636-4400 Achemical U.S.A.\*

ວບໍ່ນວະຈຽດde: 00369 · doduct Name: TOLUENE/BENZENE MIXTURE

Mective Date: 11/26/90 Date Printed: 01/21/91

MSD: 003133

EGULATORY INFORMATION: (Not meant to be all-inclusive -- selected equiations represented.)

OTICE: The information herein is presented in good faith and elieved to be accurate as of the effective date shown above. lowever, no warranty, express or implied, is given. Regulatory equirements are subject to change and may differ from one ocation to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

#### 1.5. REGULATIONS

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR

HENICAL HAME. CAS NUMBER CONCENTRATION DAENZENE 000071-43-2 FOLUENE 000108-88-3 50

MARA HAZARD CATEGORY: This product has been reviewed according to the PA "Razard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following \$4tegories:

in immediate health hazard \ delayed health hazard

Continued on Page 81

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· An Operating Unit Of The Dow Chemical Company

DATA SHEET MATERIAL SAFETY

Midland, HI 48674 Emergency Phone: 517-636-4400 Dow Chemical U.S.A.\*

Product Code: 00369

Page: 6

Product Name: TOLUENE/BENZENE MIXTURE

Effective Date: 11/26/90 Date Printed: 01/21/91

MSD: 003133

REGULATORY INFORMATION: (CONTINUED)

A fire hazard

 (R) Indicates a Trademark of The Dow Chemical Company The Information Herein Is given In Good Faith, But No Warranty, Express Or Implied, Is Made: Consult The Dow Chemical Company For Further Information.

MATERIAL SAFETY DATA SHEET

Dow Chemical U.S.A.\* Midland, MI 48674 Emergency Phone: 517-636-4400

Put nitrogen pad into storage tank vapor space to prevent

Reportable spill quantity approximately 20lbs to CERCIA based

Product Code: 00069 Product Name: TOLUENE/BENZENE MIXTURE

9. ADDITIONAL INFORMATION: (CONTINUED)

MSDS STATUS: Revised sections 3, 5, 8 and 9.

flammable mixture.

on benzene content.

Page: 6

Effective Date: 11/26/90 Date Printed: 01/21/91

MSD: 003133

Page: 5

Product Code: 00369 Product Name: TOLUENE/BENZENE MIXTURE

Effective Date: 11/26/90 Date Printed: 01/21/91

MATERIAL SAFETY DATA SHEET

MSD: 003133

#### FIRST AID: (CONTINUED)

is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach\_ Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

Dow Chemical U.S.A. Midland, MI 48674 Emergency Phone: 517-636-4400

#### 8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(S): Benzene: Dow IHG is 10 ppm, Ceiling. ACGIH TLV is 10 ppm TWA, A2. OSHA PEL is 1 ppm TWA and 5 ppm STEL. Toluene: ACGIH TLV and OSHA PEL are 100 ppm TWA; 150 ppm STEL.

VENTILATION: Provide general and/or local exhaust ventilation to control airborns levels below the exposure guidelines. Lethal concentrations may exist in areas with poor ventilation.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. If vapor exposure causes eye discomfort, use a full-face respirator. For emergency and other conditions where the exposure guideline may be greatly exceeded use an approved positive-pressure self-contained breathing apparatus or postivepressure airline with auxiliary self-contained air supply.

SKIN PROTECTION: Use protective clothing impervious to this material. Selection of specific items, such as gloves, boots, apron, or full-body suit will depend upon operation.

EYE PROTECTION: Use chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator. Eye wash fountain should be located in immediate work area.

#### 9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

(Continued on Page 6) (R) Indicates a Trademark of The Dow Chemical Company

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(Continued on Page 7) (R) Indicates a Trademark of The Dow Chemical Company

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